

Form PTO-1449 U.S. Department of Commerce (REV. 8-83) Patent and Trademark Office INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. ENZ-61(D1)	Serial No. 10/761,906
	Applicants: Ilan, et al	
	Filed: January 22, 2004	Group: Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
JR	5 4 9 4 8 1 0		Barany, et al			
JR	6 0 0 4 2 8 6		Bellhouse, et al			
JR	5 5 8 2 9 8 4		Bieniarz, et al			
JR	5 5 9 9 9 3 2		Bieniarz, et al			
JR	4 9 7 8 6 1 4		Bronstein, IY			
	5 4 6 2 8 5 4		Coassin, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRAN- SLATION YES NO
JR	EP 0 6 6 7 3 9 3	8/16/95	Rabbani et al	A1		
JR	EP 0 0 7 0 6 8 5	7/14/82	Heller, et al	A1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Ball, et al., "The use of tailed octamer primers for cycle sequencing," <u>Nucl. Acids. Res.</u> 26:5225-5227 (1998)
JR	Baranov, et al., "A new technique for the characterization of long-range tertiary contacts in large RNA molecules: insertion of a photolabel at a selected position in 16S rRNA within the Escherichia coli ribosome," <u>Nucl. Acids Res.</u> 25:2266-2273 (1997)
	Dale, R.M., et al., "Direct covalent mercuration of nucleotides and polynucleotides," <u>Biochemistry</u> 14:2447-2457 (1975)
JR	Dale, R.M., et al., "The synthesis and enzymatic polymerization of nucleotide containing mercury: potential tools for nucleic acid sequencing and structural analysis," <u>Proc. Natl. Acad. Sci. USA</u> 70:2238-2242 (1973)
JR	Doan, T.L., et al., "Targeted cleavage of polynucleotides by complementary oligonucleotides covalently linked to iron-porphyrins," <u>Biochemistry</u> 25:6736-6739 (1986)
JR	Eglinton, G., et al., "A coupling of acetylenic compounds," <u>Adv. Organic Synthesis</u> 4:225-328 (1963)

EXAMINER /Jezia Riley/	DATE CONSIDERED 08/17/2006
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JR	5 8 4 9 4 8 0		Cros, et al			
JR	4 8 9 4 3 2 5		Engelhardt, et al			
JR	5 2 4 1 0 6 0		Engelhardt, et al			
JR	5 2 8 8 6 0 9		Engelhardt, et al			
JR	6 2 2 1 5 8 1		Engelhardt, et al			
JR	4 3 7 5 9 7 2		Forgione, et al			
JR	5 2 1 0 0 1 5		Gelfand, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRAN- SLATION YES NO
JR	WO 9 9 2 8 5 0 0	11/27/98	Lee, et al			
JR	EP 0 9 1 7 0 3 9	1/12/00	Rabbani, et al	A1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Enzo Biochem, Catalog Nos. 42722, 4723, 4724, New York, NY No date
JR	Ernst, et al., "Cyanine dye labeling reagents for sulfhydryl groups," <u>Cytometry</u> 10:3-10 (1989)
JR	Fuhrop, J.H., et al., Chapter 19 in "Porphyrins and Metalloporphyrins," ed. Smith, K.M., Elsevier Science, New York (1975)
JR	Kawase, et al., "Studies on nucleic acid interactions. I. Stabilities of mini-duplexes (dG2A4XA4G2-dC2T4YT4C2) and self-complementary d(GGGAAXYTTCCC) containing deoxyinosine and other mismatched bases," <u>Nucl. Acids. Res.</u> 14:7727-7736 (1986)
JR	Kuhlmann, K.F., et al., "Synthesis, DNA-binding and biological activity of a double intercalating analog of ethidium bromide," <u>Nucl. Acids. Res.</u> 5:2629-2633 (1978)
JR	Larock, "Organomercurials in Organic Synthesis," <u>Tetrahedron</u> 38:1713-1754 (1982)

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JR	6 3 3 8 9 5 4		Gemen, B.			
JR	5 6 4 6 2 6 4		Glazer, et al			
JR	5 2 4 8 6 1 8		Haces, A.			
JR	5 7 3 0 8 4 9		Hamby, et al			
JR	4 7 0 7 4 5 4		Hendrix, JL			
JR	5 4 6 4 7 4 1		Hendrix, JL			
JR	5 9 9 4 0 5 6		Higuchi, RG			
JR	5 0 4 7 5 1 9		Hobbs, et al			

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JR	EP 1 2 7 5 7 3 7	1/15/03	Rabbani, et al	A1		
JR	EP 1 3 4 4 8 3 5	11/17/03	Rabbani, et al	A1		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	Lee, L.G., et al., "DNA sequencing with dye-labeled terminators and T7 DNA polymerase: effect of dyes and dNTPs on incorporation of dye-terminators and probability analysis of termination fragments," <u>Nucl. Acids Res.</u> 20:2471-2488 (1992)
JR	Liu, H., et al., "PCR amplification using deoxyinosine to replace an entire codon and at ambiguous positions," <u>Biotechniques</u> 16:24-26 (1994)
JR	Liu, D., et al., "Stable human immunodeficiency virus type 1 (HIV-1) resistance in transformed CD4+ monocytic cells treated with multitargeting HIV-1 antisense sequences incorporated into U1 snRNA," <u>J. Virol</u> 71:4079-4085 (1997)
JR	Loakes, D., et al., "5-Nitroindole as an universal base analogue," <u>Nucl. Acids Res.</u> 22:4039-4043 (1994)
JR	Loakes, D., "The applications of universal DNA base analogues," <u>Nucl. Acids Res.</u> 29:2437-2447 (2001)

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JR	6 2 2 8 5 7 8		Impraim, et al			
JR	5 5 5 4 5 1 6		Kacien, et al			
JR	5 9 4 8 6 4 8		Kahn, et al			
JR	5 9 4 5 2 8 3		Kwok, et al			
JR	5 9 4 5 5 2 6		Lee, et al			
JR	5 1 1 8 8 0 1		Lizardi, et al			
JR	5 1 3 0 2 3 8		Malek, et al			
JR	4 6 8 3 2 0 2		Mullis, et al			

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JR	Maulding, D.R., et al., "Chemiluminescence from Reactions of Electrophilic Oxamides with Hydrogen Peroxide and Fluorescent Compounds," <u>J. Org. Chem.</u> 33:250-254 (1968)
JR	Moan, J., et al., "Porphyrin photosensitization and phototherapy," <u>Photochem. Photobio.</u> 43:681-690 (1986)
JR	Mujumdar, R.B., et al., "Cyanine dye labeling reagents containing isothiocyanate groups," <u>Cytometry</u> 10:11-19 (1989)
JR	Mujumdar, R.B., et al., "Cyanine dye labeling reagents: sulfoindocyanine succinimidyl esters," <u>Bioconjugate Chemistry</u> 4:105-111 (1993)
JR	Nichols, et al., "A universal nucleoside for use at ambiguous sites in DNA primers," <u>Nature</u> 369:492-493 (1994)
JR	Okayama, H., et al., "High efficiency cloning of full length cDNA," <u>Mol. Cell. Biol.</u> 2:161 (1982)

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JR	5 8 6 6 3 3 6		Nazarenko, et al			
JR	6 1 1 4 3 5 0		Randall, et al			
JR	6 1 1 0 6 3 0		Reddy, et al			
JR	6 0 0 1 5 7 3		Roalent, C.			
JR	5 7 0 7 5 5 9		Schaap, et al			
JR	6 3 2 3 3 3 7		Singer, et al			

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JR	Rieke, R.D., "The preparation of highly reactive metals and the development of novel organometallic reagents," <u>Aldrichimica Acta</u> 33:52-60 (2000)
JR	Robins, M.J., et al., "Nucleic Acid Related Compounds. 39. Efficient Conversion of 5-Iodo to 5-Alkynyl and Derived 5-Substituted Uracil Bases and Nucleosides," <u>J. Org. Chem.</u> 48:1854-1862 (1983)
JR	Schaap, et al., "Chemical and Enzymatic Triggering of 1,2-Dioxetanes. 1: Aryl Esterase-Catalyzed Chemiluminescence from a Naphthyl Acetate-Substituted 1,2-Dioxetane," <u>Tetrahedron Letters</u> 28:935-938 (1987)
JR	Schaap, A.P., et al., "Chemical and Enzymatic Triggering of 1,2-Dioxetanes. 3: Alkaline Phosphatase-Catalyzed Chemiluminescence from an Aryl Phosphate-Substituted Dioxetane," <u>Tetrahedron Letters</u> 28:1159-1163 (1987)
JR	Selinger, D.W., et al., "RNA expression analysis using a 30 base pair resolution <i>Escherichia coli</i> genome array," <u>Nature Biotech.</u> 18:1262-1268 (2000)
JR	Shibahara, S., et al., "Site-directed cleavage of RNA," <u>Nucl. Acids Res.</u> 15:4403-4415 (1987)

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JR	4 8 6 8 1 0 3		Stavrianopolous, et al			
JR	4 9 5 2 6 8 5		Stavrianopolous, et al			
JR	4 9 9 4 3 7 3		Stavrianopolous, et al			
JR	5 0 1 3 8 3 1		Stavrianopolous, et al			
JR	5 5 7 8 8 3 2		Trulson, et al			
JR	5 1 3 2 2 0 4		Urdea, et al			
JR	5 8 9 1 6 3 6		Van Gelder, et al			
JR	5 2 6 8 4 8 6		Waggoner, et al			

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JR	Southwick, P.L., et al., "Cyanine dye labeling reagents - carboxymethylindocyanine succinimidyl esters," <u>Cytometry</u> 11:418-430 (1990)
JR	Talaat, A.M., et al., "Genome-directed primers for selective labeling of bacterial transcripts for DNA microarray analysis," <u>Nature Biotech.</u> 18:679-682 (2000)
	Tao, et al., "Genomics: Expression Analysis of Escherichia coli Growing on Minimal and Rich Media," <u>J. Bact.</u> 181:6425-6490 (1999)
JR	Wieringa, J.H., et al., "Adamantylideneadamantane Peroxide. A Stable 1,2 Dioxetane," <u>Tetrahedron Letters</u> 2:169-172 (1972)
JR	Zhu, Z., et al., "Directly labeled DNA probes using fluorescent nucleotides with different length linkers," <u>Nucl. Acids. Res.</u> 22:3418-3422 (1994)

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JR	5 6 2 7 0 2 7		Waggoner, et al			
JR	6 0 0 8 3 7 3		Waggoner, et al			
JR	5 2 7 0 1 8 4		Walker, et al			
JR	5 4 5 5 1 6 6		Walker, et al			
JR	4 7 1 1 9 5 5		Ward, et al			
JR	5 4 5 5 1 7 5		Wittwer, et al			
JR	6 1 7 4 6 7 0		Wittwer, et al			

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